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DIALOG(R) File 351:Derwent WPI
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001406693

WPI Acc No: 1975-56400W/ 197534

**Fermentative production of L-arginine - in presence of antibiotics,
surfactants and antioxidants**

Patent Assignee: AJINOMOTO KK (AJIN)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 50048189	A	19750430				197534 B
JP 76033633	B	19760921				197642

Priority Applications (No Type Date): JP 7398019 A 19730831

Abstract (Basic): JP 50048189 A

L-Arginine (I) was fermentatively produced in the presence of antibiotics, surfactants, and antioxidants. In an example, Brevibacterium frabum AJ3277, a sulphadiazine-, canavanine-, and alpha-methyl arginine-resistant mutant induced from Brevibacterium frabum ATCC 21493, was shake cultured on a medium contg. 10% glucose, biotin, soy protein hydrolysate, thiamine, Fe, Mn, and other salts, at pH 7. After 24 hrs. at 31 degrees, antibiotics, surfactants, etc. were added and further fermented for 72 hrs. in total. The accumulation of (I) were: 2.32g./dl. with Tween 20 (0.2%); 2.00 with butyl hydroxyanisole (0.05%); 1.80 without additives. Chloramphenicol, erythromycin and other surfactants were applied to the genus Corynebacterium, Acetocidophilum, Corynebacterium, and Mycobacterium.

Title Terms: FERMENTATION; PRODUCE; ARGININE; PRESENCE; ANTIBIOTIC;
SURFACTANT; ANTIOXIDANT

Derwent Class: B05; D16; E16

International Patent Class (Additional): C12D-013/06

File Segment: CPI